

(B) IN THE SPECIFICATION

FIG. 3 shows a gradient coil assembly 200 for the current invention. The present invention provides for an inner and outer gradient coil 212, 214 in a concentric arrangement and having a common axis A. The inner gradient coils 212 are comprised of conductive strips and hollow conductive strips and are occasionally referred to as such in the following paragraphs. Working from the outward in, the self shielded gradient coil assembly 200 includes the outer gradient coil 214. Inward from the outer gradient coil 214 is a layer of epoxy 225. The layers 223, 225 of epoxy have extremely high strength to resist forces generated when electric currents are conducted by gradient coils 212, 214.